



# 2000 Toxics Release Inventory

## MONTANA

### Reported Releases and Waste Management Activities (in pounds)

	Original Industry	New Industry	Total
<b>On-site Releases</b>	46,851,672	70,146,130	116,997,802
Air Emissions	5,248,879	1,026,328	6,275,207
Surface Water Discharges	47,436	25	47,461
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	2,298	0	2,298
Other On-site Land Releases	41,553,058	69,119,778	110,672,835
Off-site Releases (Transfers Off-site to Disposal)*	5,013,120	138,517	5,151,637
<b>Total On- and Off-site Releases</b>	<b>51,864,792</b>	<b>70,284,647</b>	<b>122,149,439</b>
<b>Recycled On-site</b>	39,736,081	0	39,736,081
Recycled Off-site	78,637	38,294	116,931
Energy Recovery On-site	6,589,045	0	6,589,045
Energy Recovery Off-site	23,145	0	23,145
Treated On-site	8,076,427	2,604,832	10,681,259
Treated Off-site**	26,423	2,686	29,109
Quantity Released On- and Off-site***	52,213,173	70,176,079	122,389,252
<b>Total Production-related Waste Managed</b>	<b>106,742,931</b>	<b>72,821,892</b>	<b>179,564,822</b>
<b>Non-production-related Waste Managed</b>	<b>99,614</b>	<b>80,332</b>	<b>179,946</b>

### Transfers Off-site for Further Waste Management/Disposal

Recycling	111,284	11,294	122,578
Energy Recovery	23,341	0	23,341
Treatment	20,264	307	20,571
Publicly Owned Treatment Works (POTWs)	8,375	0	8,375
Metals and Metal Compounds*	10	0	10
Non-metal TRI Chemicals**	8,365	0	8,365
Other Off-site Transfers****	750	0	750
Transfers Off-site to Disposal (not including metals to POTWs)	5,392,750	138,517	5,531,267
<b>Total Transfers Off-site for Further Waste Management/Disposal</b>	<b>5,556,764</b>	<b>150,119</b>	<b>5,706,883</b>

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

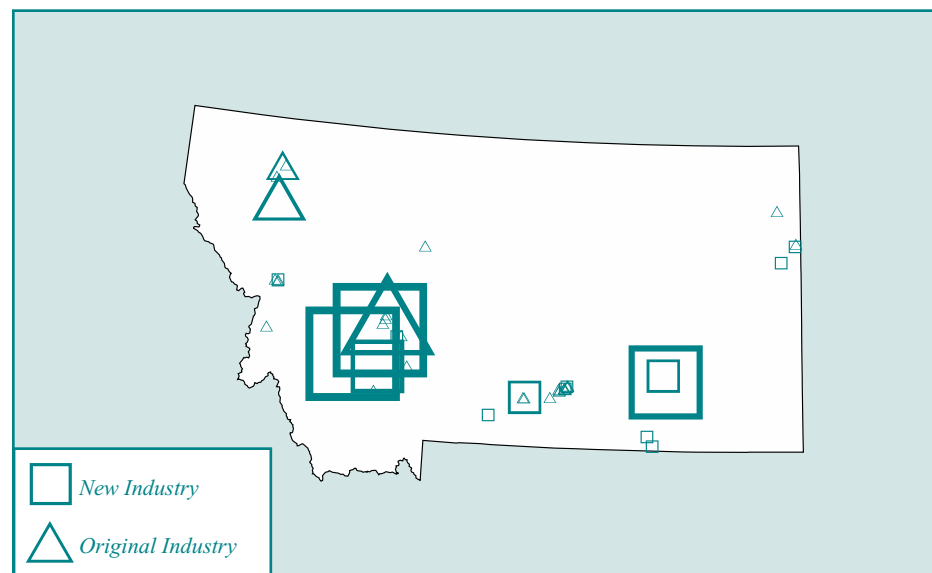
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USEPA Region 8 (8P- P3T)  
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Denver, CO 80202  
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To obtain TRI data use  
assistance, call TRI User  
Support Service (TRI-US):  
(202) 566-0250  
Fax: (202) 401-2347  
tri.us@epa.gov



The largest marker in the state map represents the largest facility for on-site releases in the state of Montana. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

### State/TRI Data

Population	903,157
Square Miles	145,556
Total Facilities	45
Total Forms	285
Form As	35

	Original Industry	New Industry	Total
<b>National Rank for Total On- and Off-site Releases*</b>			
Rank	18	13	19
Pounds	51,864,792	70,284,647	122,149,439
<b>National Rank for Total On-site Releases**</b>			
Rank	16	12	18
Pounds	46,851,672	70,146,130	116,997,802
<b>National Rank for Total Releases within State***</b>			
Rank	19	13	19
Pounds	46,864,068	70,282,276	117,146,344
<b>National Rank for Production-related Waste Managed</b>			
Rank	34	22	33
Pounds	106,742,931	72,821,892	179,564,822

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 2000 Toxics Release Inventory

## MONTANA

### On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Zinc compounds	14,436	24	0	56,644,425	1,823,550	58,482,435	0	260	1,823,290
—	Lead compounds	17,546	1	0	16,143,969	2,110,415	18,271,931	0	255	2,110,160
—	Copper compounds	12,936	9	0	15,557,393	135,358	15,705,696	0	260	135,098
—	Barium compounds	96,929	10	0	8,118,994	110,250	8,326,183	0	110,250	0
—	Manganese compounds	11,616	28,012	0	4,348,407	45,469	4,433,504	0	34,350	11,119

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

### On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Polycyclic aromatic compounds	34,144.98	8.00	0.00	525.48	8.21	34,686.67	0.00	6.95	1.26
—	Mercury compounds	4,265.82	0.55	0.00	4,556.20	1,452.60	10,275.17	0.00	10.00	1,442.60
191-24-2	Benzo(g,h,i)perylene	3,489.69	1.90	0.00	0.80	0.50	3,492.89	0.00	0.50	0.00
7439-97-6	Mercury	23.00	0.00	0.00	726.00	0.00	749.00	0.00	0.00	0.00
118-74-1	Hexachlorobenzene	10.80	0.00	0.00	0.00	0.00	10.80	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>16.108</i>	<i>0.162</i>	<i>0.000</i>	<i>0.005</i>	<i>0.003</i>	<i>16.277</i>	<i>0.000</i>	<i>0.003</i>	<i>0.000</i>
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
1336-36-3	Polychlorinated biphenyls (PCBs)	—***	—	—	—	—	—	—	—	—
79-94-7	Tetrabromobisphenol A	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

\*\*\* No reports were submitted for these chemicals.



# 2000 Toxics Release Inventory

## MONTANA

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Asarco Inc., East Helena, Lewis and Clark	60,327	1,004	0	0	0	41,477,389	41,538,720	0	5,371,047
Montana Tunnels Mining Inc., Jefferson City, Jefferson	27,112	0	0	0	0	26,476,261	26,503,373	0	0
Montana Resources, Butte, Silver Bow	1,000	0	0	0	0	25,407,400	25,408,400	0	0
PP&L Montana Colstrip Steam Electric Station, Colstrip, Rosebud	265,161	10	0	0	0	10,220,160	10,485,331	44,837	21
Golden Sunlight Mines Inc., Whitehall, Jefferson	56,562	0	0	0	0	5,296,689	5,353,251	0	0
Stone Container Corp., Missoula, Missoula	3,073,900	37,220	0	0	0	22,281	3,133,401	12,006	1
SMC Nye Mine Site, Nye, Stillwater	1,338	0	0	0	0	1,318,670	1,320,008	0	0
Colstrip Energy L.P. Rosebud Power Plant, Colstrip, Rosebud	563,080	0	0	0	0	248,667	811,747	0	0
Plum Creek Mdf Inc., Columbia Falls, Flathead	783,250	0	0	0	0	0	783,250	0	0
Columbia Falls Aluminum Co. L.L.C., Columbia Falls, Flathead	345,731	0	0	0	0	0	345,731	0	0

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Columbia Falls Aluminum Co. L.L.C., Columbia Falls, Flathead	36,535.00	0.00	0.00	0.00	0.00	0.00	36,535.00	0.00	0.00
SMC Nye Mine Site, Nye, Stillwater	0.10	0.00	0.00	0.00	0.00	3,822.90	3,823.00	0.00	0.00
Asarco Inc., East Helena, Lewis and Clark	3,273.00	0.00	0.00	0.00	0.00	50.00	3,323.00	0.00	1,435.00
PP&L Montana Colstrip Steam Electric Station, Colstrip, Rosebud	925.73	0.00	0.00	0.00	0.00	660.00	1,585.73	2.00	1.00
Golden Sunlight Mines Inc., Whitehall, Jefferson	0.00	0.00	0.00	0.00	0.00	729.00	729.00	0.00	0.00
ExxonMobil Billings Refy., Billings, Yellowstone	1.89	0.00	0.00	0.00	0.00	510.00	511.89	0.00	0.26
Conoco Inc. Billings Refy., Billings, Yellowstone	495.00	0.00	0.00	0.00	0.00	0.00	495.00	0.00	0.00
Cenex Harvest States Co-op. Laurel Refy., Laurel, Yellowstone	473.04	0.00	0.00	0.00	0.00	0.00	473.04	0.00	7.10
J .E. Corette Steam Electric Station, Billings, Yellowstone	63.02	0.05	0.00	0.00	0.00	9.00	72.07	0.00	0.00
Stone Container Corp., Missoula, Missoula	49.50	10.40	0.00	0.00	0.00	10.80	70.70	6.40	0.50

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 2000 Toxics Release Inventory

## MONTANA

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Asarco Inc., East Helena, Lewis and Clark	29,122,581	0	0	0	0	0	46,909,767	76,032,348	98,425
Montana Tunnels Mining Inc., Jefferson City, Jefferson	0	27,000	0	0	0	0	26,502,293	26,529,293	0
Montana Resources, Butte, Silver Bow	0	0	0	0	0	0	25,399,200	25,399,200	0
PP&L Montana Colstrip Steam Electric Station, Colstrip, Rosebud	0	2,700	0	0	2,320,000	0	10,517,201	12,839,901	0
Golden Sunlight Mines Inc., Whitehall, Jefferson	0	0	0	0	0	0	5,271,879	5,271,879	0
Stone Container Corp., Missoula, Missoula	0	0	6,094,000	1,380	3,491,830	0	3,129,301	12,716,511	0
SMC Nye Mine Site, Nye, Stillwater	0	0	0	0	40,832	0	1,320,009	1,360,841	0
Colstrip Energy L.P. Rosebud Power Plant, Colstrip, Rosebud	0	0	0	0	0	0	811,747	811,747	0
Plum Creek Mdf Inc., Columbia Falls, Flathead	0	0	0	0	0	0	782,000	782,000	0
Columbia Falls Aluminum Co. L.L.C., Columbia Falls, Flathead	9,322,068	0	0	0	0	0	338,843	9,660,911	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Columbia Falls Aluminum Co. L.L.C., Columbia Falls, Flathead	2,217	0	0	0	0	0	36,535	38,752	0
Asarco Inc., East Helena, Lewis and Clark	122,562	0	0	0	0	0	4,758	127,320	91
SMC Nye Mine Site, Nye, Stillwater	0	0	0	0	0	0	3,823	3,823	0
PP&L Montana Colstrip Steam Electric Station, Colstrip, Rosebud	0	0	0	0	0	0	1,589	1,589	0
Golden Sunlight Mines Inc., Whitehall, Jefferson	0	0	0	0	0	0	739	739	0
ExxonMobil Billings Refy., Billings, Yellowstone	0	0	0	0	0	7	512	519	0
Conoco Inc. Billings Refy., Billings, Yellowstone	0	0	0	0	0	0	495	495	430
Cenex Harvest States Co-op. Laurel Refy., Laurel, Yellowstone	317	0	0	0	6	7	473	803	0
Montana Refining Co., Great Falls, Cascade	0	0	0	0	0	6	370	376	0
Stone Container Corp., Missoula, Missoula	0	0	0	0	0	0	77	77	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.